

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09850- 013001	Application No. 10005146	
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Robert A. Sanderson	Filing Date 1/22/02	Group Art Unit 3746

CE928 U.S. Pro
10/051460 01/22/02

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
(ZS)	AA	1,194,258	08/08/1916	Walker			
(ZS)	AB	2,104,391	01/1938	Redrup	74	50	—
(ZS)	AC	2,302,995	11/24/1942	Holmes	74	60	—
(ZS)	AD	2,539,880	06/1951	Wildhaber	74	60	6/26/46
(ZS)	AE	4,342,544	08/03/1982	Pere	47	269	—
(ZS)	AF	4,513,630	04/1985	Pere et al.	74	60	—
(ZS)	AG	RE 15,442	09/05/22	Almen			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
(S)	AH	2,271,459	11/1973	France				
(S)	AI	2,453,332	04/06/1979	France			X	
(S)	AJ	2,346,836	03/1975	Germany			X	
(S)	AK	220594	03/1924	UK				
(S)	AL	629318	09/1947	UK				

Other Documents (include Author, Title, Date, and Place of Publication.)

Examiner Initial	Desig. ID	Document
	AM	
	AN	
	AO	
	AP	

Examiner Signature 	Date Considered 
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
09850- 0130012

Application No.

10051460

Information Disclosure Statement
by Applicant
(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Robert A. SandersonFiling Date
1/24/02Group Art Unit
3746

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
(30)	AA	3,877,839	04/15/75	Ifield	417	217	
(30)	AB	4,966,042	10/30/90	Brown	21	40	
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	No
(30)	AL	DE 2612270	09/22/77	Germany				
(30)	AM	GB 651893	04/11/51	Great Britain				
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
(30)	AQ	International Search Report dated September 10, 2000 (App. No. PCT US 00/21150).
(30)	AR	International Search Report dated September 10, 2000 (App No. PCT US 00/21245).
	AS	
	AT	

Examiner Signature

Date Considered

3/4/03

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09850- 013001	Application No. 10251460
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Robert A. Sanderson	
(37 CFR §1.98(b))		Filing Date 1/22/02	Group Art Unit 3746

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
(ES)	AA	1,894,033	01/10/33	Farwell			
(ES)	AB	1,857,656	05/10/32	Oldfield			9/26/28
(ES)	AC	1,161,152	11/23/15	Nyborg			11/23/15
	AD						
	AE						
	AF						
	AG						
	AH						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	
(ES)	AI	815,794	04/1937	France			X	
(ES)	AJ	282,125	12/1927	GB				
	AK							
	AL							
	AM							
	AN							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
(ES)	AO	eCycle Inc. schematic
	AP	
	AQ	
	AR	
	AS	
	AT	
	AU	
	AV	
	AW	

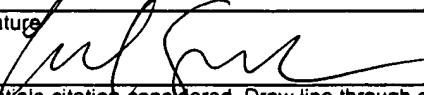
Examiner Signature 	Date Considered 3/4/03
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09850-013001	Application No. 100251460
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Robert A. Sanderson	
		Filing Date 1/22/02	Group Art Unit 3746
(37 CFR §1.98(b))			

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
CBS	AA	6,053,091	04/25/2000	Tojo	92	71	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes No
	AL						
	AM						
	AN						
	AO						
	AP						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

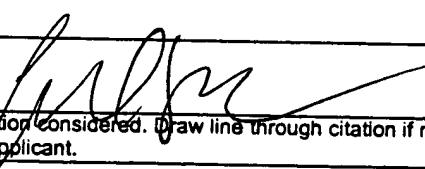
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09850- 013001	Application No. <u>10251466</u>
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Robert A. Sanderson	
(37 CFR §1.98(b))		Filing Date <u>4/22/02</u>	Group Art Unit <u>3746</u>

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
(25)	AA	5,542,382	08/06/96	Clarke	123	51	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
(37)	AL	DE 26 12 270	09/22/77	Germany			x
	AM						
	AN						
	AO						
	AP						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

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Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
09850-013001

Application No.

10051460

**Information Disclosure Statement
by Applicant**
(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant

Robert A. Sanderson

Filing Date

1/22/02

Group Art Unit

3746

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
(RS)	AA	5,782,219	07/21/98	Frey, et al.	423	36.3	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
(RS)	AL	JP 09151840	06/10/97	Japan			x
	AM						
	AN						
	AO						
	AP						

Other Documents (include Author, Title, Date, and Place of Publication)

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SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
09850-013001

SERIAL NO.

10657460

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT
Robert A. Sanderson et al.

FILING DATE

1/22/02

GROUP

3746

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NS	AA	5	7	6	2	0	3	9	06/09/98	Gonzalez	123	197.3	
SD	AB	5	6	0	5	1	2	0	02/25/97	Hedelin	123	78	
BS	AC	5	5	7	2	9	0	4	11/12/96	Minculescu	74	45	
CS	AD	5	5	6	2	0	6	9	10/08/96	Gillbrand et al.	123	48	
BS	AE	5	5	3	5	7	0	9	07/16/96	Yashizawa	123	63	
SL	AF	5	3	2	9	8	9	3	07/19/94	Drangel et al.	123	78	
	AG	5	3	3	6	0	5	6	08/09/94	Kimura et al.	417	222	
	AH	5	2	8	0	7	4	5	01/25/94	Maruno	91	477	
	AI	5	2	6	1	3	5	8	11/16/93	Rorke	123	47R	
	AJ	5	1	3	6	9	8	7	08/11/92	Schechter et al.	123	48	
	AK	5	0	9	4	1	9	5	03/10/92	Gozalez	123	58	
	AL	5	0	2	5	7	5	7	06/25/91	Larsen	123	48	
	AM	5	0	0	7	3	8	5	04/16/91	Kitaguchi	123	48	
	AN	4	9	2	0	8	5	9	05/01/90	Smart et al.	91	497	
	AO	4	8	6	9	2	1	2	09/26/89	Sverdlin	123	56	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
CS	AP	698,243	10/1940	Germany	123	56.1		
CS	AQ	WO 92/11449	07/1992	WIPO	123	56.1		
CS	AR	2 566 460	12/1985	France	123	56.1		
	AS							
	AT							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	AU							
	AV							
EXAMINER				DATE CONSIDERED				3/4/03

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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 09850-013001	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Robert A. Sanderson et al.	
				FILING DATE 1/22/02	GROUP 3746

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ES	AA	5	6	3	4	8	5	2	6/3/97	Kanamaru		464	138	2/28/02
ES	AB	5	5	5	3	5	8	2	9/10/96	Speas		423	56.4	
ES	AC	5	1	2	9	7	9	7	7/14/92	Kanamaru		417	500	2/21/91
ES	AD	5	1	1	3	8	0	9	5/19/92	Ellenburg		123	58	
ES	AE	5	0	2	7	7	5	6	7/2/91	Shaffer		123	58	
ES	AF	4	8	5	2	4	1	8	8/1/89	Armstrong		74	60	
ES	AG	4	7	0	8	0	9	9	11/24/87	Ekker		123	54A	
ES	AH	4	4	3	3	5	9	6	2/28/84	Scalzo		74	839	
ES	AI	4	2	3	5	1	1	6	11/25/80	Meijer et al.		74	60	
ES	AJ	4	1	7	8	1	3	5	12/11/79	Roberts		417	222	
ES	AK	4	1	7	4	6	8	4	11/20/79	Roseby et al.		123	48	
ES	AL	4	1	6	8	6	3	2	9/25/79	Fokker		74	60	
ES	AM	4	1	1	2	8	2	6	9/12/78	Cataldo		92	13.1	
ES	AN	4	0	6	6	0	4	9	1/3/78	Teodorescu et al.		123	48	
ES	AO	3	9	6	8	6	9	9	7/13/76	van Beukering		74	60	
ES	AP	3	9	5	9	9	8	3	6/1/76	Roberts et al.		62	226	
ES	AQ	3	8	4	7	1	2	4	11/12/74	Kramer		123	51	
ES	AR	3	0	0	0	3	6	7	09/19/61	Eagleson		123	53	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
ES	AS	WO 97/10415	3/20/97	PCT				
ES	AT	DE 37 00 005 A1	7/14/88	German				<input checked="" type="checkbox"/>
ES	AU	62-113938	4/25/87	Japan				
ES	AV	61-212656	9/20/86	Japan				
ES	AW	DE 29 31 377	2/26/81	German				

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

EXAMINER	AX		DATE CONSIDERED
		<i>ES</i>	

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SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
09850-013001

SERIAL NO.

10051460

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT
Robert A. Sanderson et al.FILING DATE 1/22/02

GROUP

3746

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BS	BA	4	7	8	0	0	6	0	10/25/88	Terauchi	417	222	
BS	BB	4	5	6	9	3	1	4	02/11/86	Milu	123	58	
BS	BC	4	4	8	9	6	8	2	12/25/84	Kenny	123	58	
BS	BD	4	2	9	4	1	3	9	10/13/81	Bex et al.	74	839	
BS	BE	4	2	8	5	3	0	3	08/25/81	Leach	123	51	
BS	BF	4	2	0	8	9	2	6	06/24/80	Hanson	74	191	
BS	BG	4	2	0	3	3	9	6	05/20/80	Berger	123	58	10/19/88
BS	BH	4	1	5	2	9	4	4	05/08/79	Kemper	74	191	
BS	BI	4	1	4	4	7	7	1	03/20/79	Kemper et al.	74	60	
BS	BJ	4	0	9	4	2	0	2	06/13/78	Kemper	74	60	
BS	BK	4	0	7	7	2	6	9	03/07/78	Hodgkinson	74	60	
BS	BL	4	0	1	1	8	4	2	03/97	Davies et al.	123	61R	
BS	BM	3	9	3	9	8	0	9	02/24/76	Rohs	123	58	
BS	BN	3	8	6	1	8	2	9	01/21/79	Roberts et al.	417	53	
BS	BO	3	6	5	4	9	0	6	04/11/72	Airas	123	43	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
					YES	NO	
	BP						
	BQ						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

BR							
BS							

EXAMINER <i>Leach</i>	DATE CONSIDERED <i>3/4/03</i>
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SUBSTITUTE FORM PTO-1449
(MODIFIED)U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
09850-013001

SERIAL NO.

100514600

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT
Robert A. Sanderson et al.

FILING DATE

7/12/02

GROUP

3746

U. S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
(S)	AA	4	7	7	6	2	5	9	10/11/88	Takai	92	71	
(S)	AB	4	4	1	8	5	8	6	12/06/83	Maki et al.	74	831	
(S)	AC	4	2	9	7	0	8	5	10/27/81	Brucken	417	222	
(S)	AD	4	2	8	5	6	4	0	08/25/81	Mukai	417	269	
(S)	AE	4	2	7	0	4	9	5	06/02/81	Freudenstein et al.	123	54	
(S)	AF	4	1	7	8	1	3	6	12/11/79	Reid et al.	417	269	
(S)	AG	3	5	2	8	3	1	7	09/15/70	Cummins	74	598	
(S)	AH	3	3	8	6	4	2	5	06/68	Morsell	123	61R	
(S)	AI	3	1	9	8	0	2	2	08/03/65	Algor de Waern	74	60	
(S)	AJ	3	1	8	2	6	4	4	05/65	Drtina	123	56.1	
(S)	AK	3	0	7	7	1	1	8	02/12/63	Robbins	74	60	
(S)	AL	3	0	7	6	3	4	5	02/05/63	Leclercq	74	60	
(S)	AM	2	6	5	3	4	8	4	09/29/53	Zecher	74	40	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
(S)	AN	DE 27 51 846	11/19/77	Germany				abstract
(S)	AO	1 037 799	12/01/58	Germany				x
(S)	AP	1.015.857	10/27/52	France				✓
(S)	AQ	515359	12/18/30	Germany				✓
(S)	AR	89352	12/31/1895	Germany				✓

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

(S)	AS		Freudenstein, "Kinematic Structure of Mechanisms for Fixed and Variable-Stroke Axial-Piston Reciprocating
			Machines", Journal of Mechanisms, Transmissions, and Automation in Design, Vol. 106, pp. 355-363, 1984.
(S)	AT		Freudenstein, "Development of an Optimum Variable-Stroke Internal-Combustion Engine Mechanism From the
			Viewpoint...", Journal of Mechanisms, Transmissions, and Automation in Design, Vol. 105, pp. 259-266, 1984.
	AU		

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DATE CONSIDERED

3/4/03

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PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

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(37 CFR 1.98(b))

APPLICANT

Robert A. Sanderson et al.

FILING DATE

1/22/02

GROUP

374b

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ES	BA	3	1	7	6	6	6	7	4/6/65	Hammer		123	43	—
ES	BB	2	9	4	0	3	2	5	6/14/60	Nakesch		74	60	—
ES	BC	2	9	1	0	9	7	3	11/3/59	Witzky		123	48	—
ES	BD	2	2	6	3	5	6	1	11/25/41	Biermann		74	60	—
ES	BE	2	2	5	6	0	7	9	9/16/41	Dinzl		103	162	—
ES	BF	2	0	4	8	2	7	2	7/21/36	Linthicum		103	173	—
ES	BG	2	0	4	2	7	3	0	6/2/36	Redrup		123	190	—
ES	BH	1	9	6	8	4	7	0	7/31/34	Szombathy		123	58	—
ES	BI	1	6	4	8	0	0	0	11/8/27	Lee		—	—	—
ES	BJ	1	5	7	7	0	1	0	3/16/26	Whatley		—	—	—
ES	BK	1	2	5	5	9	7	3	2/12/18	Almen		—	—	—
ES	BL	1	2	1	0	6	4	9	1/2/17	Holley et al.		—	—	—
ES	BM	1	0	1	9	5	2	1	3/5/12	Pratt		—	—	—
ES	BN	8	2	1	5	4	6	5	5/22/06	Smallbone		—	—	5/22/06
ES	BO	8	1	2	6	3	6	2	2/13/06	Callan		—	—	—
ES	BP													—

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
ES	BQ	GB 2 030 254	10/3/78	UK	—	—	—	—
ES	BR	55-37541	9/9/78	Japan	—	—	—	—
ES	BS	1,416,219	9/20/65	France	—	—	—	—
ES	BT	1 451 926	5/7/65	German	—	—	—	—
ES	BU	461,343	12/26/13	France	—	—	—	—

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

BV

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(37 CFR 1.98(b))				FILING DATE 1/22/02	GROUP 3746

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KS	CA	2	5	3	2	2	5	4	11/28/50	Bouchard	74	60	—
KS	CB	2	5	1	3	0	8	3	06/27/50	Eckert	74	60	—
KS	CC	2	4	6	5	5	1	0	10/23/44	Bonnafe	103	162	—
KS	CD	1	7	7	2	9	7	7	08/30	Arrighi	123	56.1	—
KS	CE	1	6	7	3	2	8	0	06/12/28	Evans	—	—	—
KS	CF	1	6	5	9	3	7	4	05/05/23	Robson	—	—	—
KS	CG	7	4	8	5	5	9	12/29/03	Peet	—	—	—	—
CH													
CI													
CJ													
CK													
CL													

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CM							
	CN							
	CO							
	CP							
	CQ							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	CR		
		—	—
	CS		
		—	—

EXAMINER	<i>Alphonse</i>	DATE CONSIDERED
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
09850-013001

Application No.

1025140

Information Disclosure Statement
by Applicant
(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Sanderson et al.

Filing Date

1/22/02

Group Art Unit

3746

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<i>CB</i>	AL	WO 99/14471	25.03.99	PCT			<input checked="" type="checkbox"/>
	AM						
	AN						
	AO						
	AP						

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
<i>CB</i>	AQ	Den Hartog, J.P. (Jacob Pieter), "Problem 144" 1956 New York
	AR	
	AS	
	AT	

Examiner Signature

Julie

Date Considered

3/4/02

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
09850- 013001

Application No.

10051460

Information Disclosure Statement
by Applicant
(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Sanderson et al.

Filing Date

1/22/52

Group Art Unit

3746

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
CS	AL	121,961	01/08/20	United Kingdom				
CS	AM	345,813	07/25/17	Germany				✓
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
CS	AQ	PCT/US99/21125 International Search Report
	AR	
	AS	
	AT	

Examiner Signature

Date Considered

3/1/53

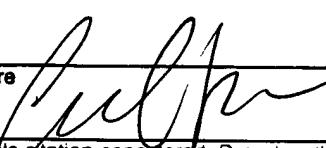
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09850-013001	Application No. 1005140
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Sanderson et al.	
(37 CFR §1.98(b))		Filing Date 1/22/02	Group Art Unit 3746

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
BS	AA	5,890,462	04/06/99	Bassett	173	56,2	✓
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
BS	AL	1 595 600	08/12/81	UK			✓
	AM						
	AN						
	AO						
	AP						

Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document					
	AQ						
	AR						
	AS						
	AT						

Examiner Signature 	Date Considered 3/4/03
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 CFR 1.98(b))

ATTY. DOCKET NO.

09850-013001

SERIAL NO.

100251466

APPLICANT

Robert A. Sanderson et al.

FILING DATE

1/22/02

GROUP

3746

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ES	AA	3	6	5	4	9	0	6	04/11/72	Airas	113	43	—
ES	AB	4	1	0	0	8	1	5	07/18/78	Kemper	—	—	—
ES	AC	5	0	0	2	4	6	6	03/26/91	Inagaki et al.	417	122	—
ES	AD	5	2	0	1	2	6	1	04/13/93	Kayukawa et al.	92	71	—
ES	AE	5	4	3	7	2	5	1	08/01/95	Anglim et al.	113	56,3	—
ES	AF	5	5	9	6	9	2	0	01/28/97	Umemura et al.	92	71	—
ES	AG	5	6	3	0	3	5	1	05/20/97	Clucas	92	12,2	—
ES	AH	5	6	9	9	7	1	6	12/23/97	Ota et al	417	269	—
ES	AI	5	7	6	8	9	7	4	06/23/98	Ikeda et al.	92	71	—
ES	AJ	5	7	8	5	5	0	3	07/28/98	Ota et al.	417	269	—
ES	AK	5	8	3	9	3	4	7	11/24/98	Nomura et al.	92	12,2	—

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AQ		
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Yulie

DATE CONSIDERED

3/4/03

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 09850-013001	SHEET <u>17</u> of <u>78</u>								
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Robert A. Sanderson et al.	SERIAL NO. <u>10051960</u>								
(37 CFR 1.98.b))				FILING DATE <u>1/22/02</u>	GROUP <u>3744</u>								
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER		ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE					
<i>SL</i>	BA	5	8	9	4	7	8	2	04/20/99	Nissen et al.	<i>Q1</i>	<i>17.2</i>	<i>—</i>
<i>SL</i>	BB	5	8	9	7	2	9	8	04/27/99	Umemura	<i>Q12</i>	<i>22.2</i>	<i>—</i>
	BC												
	BD												
	BE												
	BF												
	BG												
	BH												
	BI												
	BJ												
	BK												
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION													
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION						
	BL						YES <input type="checkbox"/> NO <input type="checkbox"/>						
	BM												
	BN												
	BO												
	BP												
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	BR												
	BR												
	BS												
EXAMINER				DATE CONSIDERED	<i>3/4/03</i>								
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09850-013001	Application No. <u>60251466</u>
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Sanderson et al.		
(37 CFR §1.98(b))		Filing Date <u>1/22/02</u>	Group Art. Unit <u>3746</u>	

U.S. Patent Documents

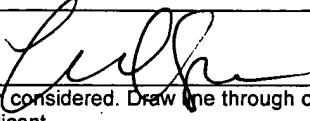
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<u>ES</u>	AA	15,442	09/05/22	Almen			
<u>ES</u>	AB	3,969,046	07/13/76	Wynn	<u>417</u>	<u>517</u>	
<u>ES</u>	AC	3,974,714	08/17/76	Fritsch	<u>74</u>	<u>571</u>	
<u>ES</u>	AD	4,060,178	11/29/77	Miller	<u>172</u>	<u>14</u>	
<u>ES</u>	AE	4,231,724	11/04/80	Hope et al.	<u>417</u>	<u>472</u>	
<u>ES</u>	AF	4,236,881	12/02/80	Pfleger	<u>417</u>	<u>502</u>	
<u>ES</u>	AG	4,323,333	04/06/82	Apter et al.	<u>417</u>	<u>63</u>	
<u>ES</u>	AH	4,349,130	09/14/82	Bair	<u>172</u>	<u>129,2</u>	
<u>ES</u>	AI	4,545,507	10/08/85	Barall	<u>172</u>	<u>137</u>	
<u>ES</u>	AJ	4,715,791	12/29/87	Berlin et al.	<u>417</u>	<u>274</u>	
<u>ES</u>	AK	4,811,624	03/14/89	Fritsch	<u>74</u>	<u>571</u>	
<u>ES</u>	AL	4,941,809	07/17/90	Pinkerton	<u>417</u>	<u>510</u>	
<u>ES</u>	AM	5,044,889	09/03/91	Pinkerton	<u>417</u>	<u>53</u>	
<u>ES</u>	AN	5,088,902	02/18/92	Marioni	<u>417</u>	<u>115</u>	
<u>ES</u>	AO	5,154,589	10/13/92	Ruhl et al.	<u>417</u>	<u>446</u>	
<u>ES</u>	AP	5,405,252	04/11/95	Nikkamen	<u>417</u>	<u>178</u>	
<u>ES</u>	AQ	6,012,903	01/11/00	Boelkins	<u>417</u>	<u>63</u>	
<u>ES</u>	AR	6,065,433	05/23/00	Hill	<u>172</u>	<u>73</u>	

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AS							
	AT							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
<u>ES</u>	AU	Metering Pumps, LEWA modular®, American Lewa, The Technology Advantage
<u>ES</u>	AV	Advanced diaphragm metering pump technology for lower pressure applications, LEWAecodos®
	AW	

Examiner Signature 	Date Considered <u>3/4/03</u>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

MAR 14 2002
PATENT & TRADEMARK OFFICE

Sheet 1 of 1

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09850-013001	Application No. 10/051,460
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Sanderson et al. Filing Date January 22, 2002		
		Group Art Unit 3746		

COPY OF PAPERS
ORIGINALLY FILED

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
BB	AA	4,491,057	01/01/85	Ziegler	91	503	Aug/3/82
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes No
BB	AL	60-164677	08/27/85	Japan (with full English Translation)			X
BB	AM	WO 91/02889	03/07/91	PCT			✓
	AN						
	AO						
	AP						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	
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	AS	
	AT	

Examiner Signature <i>Julk</i>	Date Considered <i>3/4/03</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

MAY 22 2002
PATENT & TRADEMARK OFFICE

Sheet 1 of 1

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 09850-013001	Application No. 10/051,460
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))				Applicant Sanderson et al.	
				Filing Date January 22, 2002	Group Art Unit 3745 3746

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
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	AB						
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	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

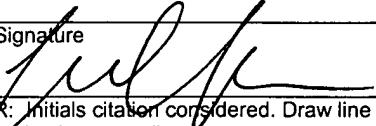
Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes
(ZS)	AL	EP 0052387	10/19/1981	European			X
(ZJ)	AM	1,450,354	07/18/1966	France			X
	AN						
	AO						
	AP						

Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document					
	AQ						
	AR						
	AS						
	AT						

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MAY 29 2002

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Examiner Signature 	Date Considered 3/9/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office <i>6/12/01</i> Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	Attorney's Docket No. 09850-013001 Applicant Sanderson et al.	Application No. 10/051,460
		Filing Date January 22, 2002	Group Art Unit <i>3746</i>

Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>ES</i>	AA	4,174,684	11/20/1979	Roseby et al.	<i>123</i>	<i>48</i>	
<i>ES</i>	AB	4,729,717	03/08/1988	Gupta	<i>47</i>	<i>5</i>	
<i>ES</i>	AC	5,102,306	04/07/1992	Liu	<i>417</i>	<i>415</i>	
<i>ES</i>	AD	6,074,174	06/13/2000	Lynn et al.	<i>412</i>	<i>RECEIVED</i>	
	AE						
	AF						<i>AUG - 5 2002</i>
	AG						TECHNOLOGY CENTER R3700
	AH						
	AI						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes No
	AJ						
	AK						
	AL						
	AM						
	AN						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AO	
	AP	
	AQ	
	AR	

Examiner Signature <i>Julie</i>	Date Considered <i>3/4/03</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	